

Subcommittee on Ground Water

Draft Minutes

Conference Call

Monday, November 20, 2017

Attachment 1 – Draft Agenda for Monday, November 20, 2017

Attachment 2 – Draft SOGW Minutes –October 16, 2017

Attachment 3 –New Directions Survey Results

Time	Topic	Discussion Leader
Noon	<p>Welcome and Attendance</p> <ul style="list-style-type: none"> • Bill Cunningham, federal co-chair, USGS representative* • Bob Schreiber, non-federal co-chair, ASCE representative* • Lauren Schapker, executive secretary, NGWA • Brandon Kernen, ASDWA representative, Darrel Osterhoudt, alternate* • Cary Betz, State Representative* • Chris Carlson, Forest Service* • Dave Langseth, NGWA representative* • Kara Goodwin, EPA representative* • Mary Musick, GWPC representative* • Dave Wunsch, AASG representative* • Jeffrey Davis, LBG Guyton • Janice Hiller, In-Situ • John Yellich, Michigan Geological Survey • Pat Lambert, federal liaison to WSWC • Jessica Lucido, USGS • Treasure Bailey, EPA Region 8 • Tim Parker, Parker Groundwater • Tom Patton, Montana Bureau of Mines & Geology • Daryll Pope, USGS • Mike Wireman, Granite Ridge Groundwater • Dave Larson, Retired • Joe Fillingham, WellIntel • Marian Singer, WellIntel • Kathleen Fultz, Water Quality Association • Chuck Job, NGWA • Rick Copeland, FL DEP • Doug Yeskis, USGS • Johanna Kovarik, Forest Service • Candice Hopkins, USGS • Lori Huntoon, ASTM • Tom Nicholson, NRC • Joe Gurrieri, USFS • Mark Everett, LANL • Adrienne Bartlewitz, USGS • Lily Lee, WY DEQ <p>*Those names in bold represent attendees on the call.</p>	Bob

* Voting organization representative/alternate per Terms of Reference

12:05	<p>Call Purpose</p> <ol style="list-style-type: none"> 1. Status Report: Cooperative Agreements/Program Announcement/Data Provider Recruitment 2. Status Report: NGWMN Portal 3. Future Meetings: ACWI Annual/SOGW F2F/New Data Providers 4. Applications of the NGWMN 5. New Directions TOR 6. Outreach Report 	Bob
	Business Portion	
12:07 P	<p>Approval of agenda – additions/deletions (Attachment #1)</p> <p>The agenda was approved without revision.</p> <p>Expected Outcome: Approve agenda</p>	Bob
12:09 P	<p>Approval of previous minutes (Attachment #2)</p> <p>Mary provided a few edits to the GWPC Annual Forum section on the Outreach report. The minutes were approved with revisions.</p> <p>Expected Outcome: Approve minutes</p>	Bob
	SOGW Work Items	
12:10 P	<p>Status Report: Cooperative Agreements/Program Announcement/Data Provider Recruitment</p> <p>Daryll reported the first round of competitive agreements from 2016 are finishing up. Final reports are coming in for those projects that were due in September or October of this year.</p> <p>Daryll reported his outreach to new data providers has been successful in recruiting applicants for the next round of funding. Several new providers indicated they hope to apply including: AL, FL, NE, ID, and WY. He also received significant interest from existing providers who are interested in enhancing their programs with well maintenance or well drilling activities.</p> <p>He noted he's been working with CA, but they don't have the manpower to apply for the grant at this time. However, they are working to set up web services on their own, and will likely become a data provider but without the funding piece. The kickoff process for CA will hopefully begin early in 2018.</p> <p>Bob suggested that, given ID's interest, there could be opportunities to open doors with British Columbia, as well.</p> <p>Expected Outcome: Information Exchange</p>	Daryll
12:18 P	<p>Status Report: NGWMN Portal</p> <ul style="list-style-type: none"> • Status of ongoing work • Upcoming work <p>Jessica reported on a new update to the portal coming online soon which will include IN Geological Survey water level, lithology and construction data, NH Geological Survey lithology and construction data, and ME Geological Survey water level, lithology and construction data. She also</p>	Jessica/Candice

	<p>reported they are working on flexibility with using logos for the data providers page and fixed an existing issue with validation of data during bulk uploads in the Well Registry Management System.</p> <p>Her team also completed the required minimum viable product for the new mediator component, and implementing this should cause no problem or changes to the user.</p> <p>She is working with WA to write the parsers for their lithology and construction web services and is also updating NC's service parser.</p> <p>Mary asked if the portal is getting any water quality data in and whether or not WQ data creates unique challenges for the portal. Jessica said there hasn't been much yet, but that's due to the content of the projects. IA DNR and WY DEQ are in progress and will have WQ data included. WQ data are often easier to work with depending on how data is provided, but there is more metadata required.</p> <p>Bob asks if WQX can mimic STORET to make it easier to get WQ data in. Jessica said that providers are encouraged to use STORET/WQX for WQ data because the communications with that system have already been set up with the portal. But that is not required--will still be some flexibility. Daryll also noted the tip sheet they developed as a guideline for providers that has a similar approach to WQX. Bob reiterated that flexibility for Data Providers is a fundamental aspect of the NGWMN, as defined by the SOGW.</p> <p>Expected Outcome: Information Exchange</p>	
12:25P	<p>Future Meetings:</p> <ul style="list-style-type: none"> ACWI Annual Meeting – Jan 17-18, Reston, VA (SOGW Jan 17) <p>Bill reported that the meeting has not been officially approved, but they are confident that it will be. The SOGW will present the morning of Jan 17 and should present a briefing of activities right after the opening. Bill solicited opportunities to have people present or be present for meeting, but no funding will be available.</p> <p>Attendees: Lauren, Daryll, Kara, GWPC, Doug. Daryll also suggested data providers may be able to present case studies</p> <ul style="list-style-type: none"> SOGW Face to Face Meeting – no activity to report New Data Providers Meeting – week of Dec 4, Nashville, TN <p>Daryll provided highlights of the agenda for the upcoming new data providers meeting. MT, UT will be attending as the experienced data providers with 5 or 6 new data providers in attendance. They will meet on Monday and attending Summit activities related to monitoring. Tuesday morning will be meeting at a hotel and with presentations about the network, tip sheets, and to answer questions. On Tuesday, MT and UT will also present their experience. Wednesday will focus on new data provider presentations with visits to Groundwater Week vendors in the afternoon. Thursday's focus will be on the IT side of things.</p> <p>Daryll reinforced that the meeting is only for new data providers, but happy to have others participate as long as the agenda stays on track.</p>	Bill/Bob

	Expected Outcome: Status Report	
12:30	<p>Applications of the NGWMN</p> <ul style="list-style-type: none"> The SOGW has been asking for examples of applications of NGWMN data/information. Daryll gave a preview of a presentation he will deliver at the upcoming Summit that will provide one such example. Daryll's presentation will focus on applications of the network on major aquifers in the . North Atlantic Coastal Plain Principal Aquifer. Most analysis will focus on WL change maps with data from portal looking at monthly water level changes over time. The trends will focus on change at the 5, 10, 20 and 30 levels and can see seasonal changes, as well as more localized changes like water management policies and paper mill closures. <p>Looking down the road, there are applications for 3-D depictions of data, as well as the capability to show composite hydrographs and an overview data from national perspective.</p> <p>Expected Outcome: Information Exchange</p>	Daryll
12:37 P	<p>New Directions TOR</p> <ul style="list-style-type: none"> April/Oct Survey Monkey Results <p>Lauren highlighted the survey responses about new directions for the SOGW. She noted that, since there were some late responses, those will be factored into a final list that will be re-circulated. She also suggested that the skeleton ideas be fleshed out on subsequent calls to work out what participants were looking for when voting for specific items.</p> <p>Bill agreed that the topics should be discussed item by item, with volunteer engagement critical in identifying what to focus on next.</p> <p>Bob inquired whether results should be taken to the full ACWI in January, but the subcommittee concurred that its too soon and we should instead focus on the utility of the network at the January meeting.</p> <p>Citizen Science Groundwater Levels: Bill again postponed this topic for the next call, prefacing that with an effort to look at new topics, how can we incorporate citizen science measurements into the NGWMN. Bill would like to discuss an approach with the group and to decide if we should pursue this topic further.</p> <p>Expected Outcome: Information; Discussion</p>	Lauren/Bob/Bill
12:50 P	Outreach Report	
	<p>Upcoming Outreach:</p> <ul style="list-style-type: none"> NGWA Groundwater Summit/GW Week presentations (wk of Dec 3) GWPC UIC Meeting: Feb 11-14, Tulsa OK—Mary reported that ASR and MAR topics might be of interest to the attendees, and that interested parties should contact Mary directly. <p>Other events?</p>	Various

Attachment 1

	Adjourn	
1:00 P	Next Meeting—Monday, December 18?	Bob
	SOGW Past Business/Parking Lot	